

ABSTRACT

An expandable frame for use in conjunction with an embolic filtering device includes a Beta titanium alloy, and more particularly, a Beta III titanium alloy. The expandable frame may be coupled to the distal end of a guide wire. The guide wire
5 may also include Beta III titanium. The Beta III titanium material can be processed to have an elastic modulus about twice that of other expandable frame or guide wire materials, thereby allowing a reduction of the cross-sectional area of the frame and/or guide wire while maintaining the bending stiffness of the frame and/or guide wire. The Beta III titanium also improves manufacturability of the frames, thereby reducing
10 manufacturing costs.

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